Features & Benefits Guide

Included Sections:

- Application Quality Management
- Manual Testing
- Test Automation
- User Acceptance Testing

CONTENTS

Original Software

INTRODUCTION

The purpose of this document is to share with prospective users the current capabilities of the Original Software solutions.

Product Area	Description
Qualify	Provides a complete platform for application quality management including fully configurable data stores, work flows, electronic signature, security, dashboards and reporting. This common platform will ensure that every member of the quality process, from management, through development and QA to end users, can share the quality process.
TestBench	Testing below the visual layer is essential to the health of many applications, so TestBench enables you to investigate the database activity while providing a complete solution for test data management.
TestDrive	Successful test automation can deliver game-changing benefits to pressurized QA teams enabling practical agile and regression testing. TestDrive provides the most innovative solution across practically any modern application or web site.
TestDrive-Assist	Significantly reduces the burden of manual testing by automatically documenting every step of a test while simultaneously executing a series of quality checks including spelling, links and performance.
TestDrive-UAT	Handles all your UAT needs with a simple intuitive UI, and produces a consistent, coherent set of test results that will deliver significant time savings to the project. TestDrive-UAT will even capture your business processes and enable the creation of training materials.
TrackPath	The quality process continues after the system has been delivered and TrackPath ensures that any live issues are fully recorded and reported with minimal impact of the end-users.
Content Analytics	The success of your electronic presence is as much about the displayed content as the functionality, so we fully analyse every element of your web site and applications, track changes and monitor conformance to defined standards. Content Analytics is applicable to every company and has particular relevance to regulated industries.

All of our products are built to our 'code-free' philosophy which ensures that we deliver the highest and fastest return on your investment.

For more information on any of the areas not included in this document please contact Original Software.

Original Software

Qualify – Application Quality Management

Capability	Benefit
Uses	Provides a complete platform for application quality management including fully configurable data stores, work flows, electronic signature, security, dashboards and reporting. This common platform will ensure that every member of the quality process from management, through development and QA to end users can share in the quality process.
Multiple Platforms	Qualify is available as a desktop application and as a web application optimized for desktop browsers and tablets. Note that some advanced capabilities are only available in the desktop version.
Dashboards	Dynamic, interactive dashboards covering all the data stored within Qualify are available and can be augmented by user defined charts, grids and layouts.
Communication Backbone	Qualify allows you to create and manage your quality plans and as importantly lets every team member share in the progress and status. In addition to the on-line access, automatic and manual alerts can be generated which are distributed via email.
Reporting	A number of pre-defined reports are included within the standard product, supported by a flexible report-writer that includes a fast-start layout driven from the user interface.
Fully Configurable for Multiple Methodologies	Qualify is shipped with a number of pre-defined applications models which can be used immediately or tuned to your needs. In addition you can create your own applications that exactly reflect your processes and storage requirements. Map agile, waterfall or hybrid methodologies which can be used concurrently to reflect the needs of legacy and new developments.
Create Dynamic Relationships	Qualify supports an infinite number of data stores so you can easily move from a test management system based on defects, tasks and tests to a wider implementation embracing other elements of your projects such as the Project Management or Help Desk. Soft and hard links can be created between any data stores to reflect and explore the relationships between the data.
Data Import	Useful data will typically already exist either in spreadsheets or within an existing test management system. Qualify provides a rapid and powerful means to import that data into the application model you create.
Resource Management	Planning your medium and short-term resourcing needs can be complex but Qualify provides a powerful view of your work in progress, (optionally including time-sheet data), allocated tasks and forward projects – highlighting areas of potential contention and endangered dead-lines so that you can balance and re-assign your resources as needed.

Original Software

Scheduling	A complete timeline representation of all allocated and unallocated work is provided where you can dynamically re-allocate work between the available resources and review/action tasks where the target end date is endangered.
Work Flow	It is essential that key steps in your quality processes are controlled and can only be passed by the appropriate users. Qualify provides all this and more, enabling rules to be set as to the critical data that must be stored at each step in the process combined with a complete audit trail.
Electronic Signature	Embedded throughout Qualify is the ability to flag actions as requiring electronic signature. This includes steps in work flows but also extends to include the review of test results and marking whether they met the pass criteria.
Security	A complete role-based security model is included so you can control data access both to the type of data stored but also to individual records within that data. The ability to enrol individual users within multiple roles enables you to reflect the flexibility inherent in all IT projects.

Original Software

TestBench – Test Data Management

Product Area	Description
Uses	Designed for developers and testers, TestBench provides a suite of capabilities to aid in the process of creating and maintaining test data environments. In addition, TestDrive enables testing of database activity when executing both manual and automated tests with the TestDrive family of products.
Code Free	No programming or SQL skills are required to use any of the data management capabilities, opening their applicability to the whole testing community.
Data Extraction with Referential Integrity	TestBench analyses the relationship between tables in a data environment to ensure that the referential integrity of the data is maintained when an extract is performed. This ensures a usable, working data environment for testing.
Selection and Sampling of Data	Data selection for an extraction is defined by selection and sampling criteria. Selection extracts data based on selection criteria, similar to SQL SELECT statements. Sampling extracts data based on combinations of data values, with two or more data elements being used as the criteria for sampling. Sampling enables the creation of test data environments that are small while ensuring all relevant data scenarios are included.
Cascading Selection/Sampling	Selection and Sampling specified for a data table is also applied to related tables so that only the necessary, but all the required, data is selected. This ensures a functioning data environment with referential integrity.
Data Scrambling	More often than not it is desirable, or even necessary, to scramble sensitive information and to remove the ability to identify real individuals from test data. TestBench provides scrambling routines that enable effective obfuscation and de-identification, synchronizing the changes across the database to ensure consistent scrambling of values.
Data Protection	The TestBench Environment component provides the ability to deploy a Checkpoint and Rollback strategy for a test data environment. A checkpoint can be set to define a 'point-in-time' marker to enable TestBench to 'remember' the state of the data. A rollback will return the data to the state it was when a specified checkpoint was set. This saves time in recovering data back to a known state and enables retesting with the same data.

Original Software

TestBench – Data Testing

Product Area	Description
Uses	Designed for developers and testers. TestBench provides a suite of capabilities to aid in analysing and testing the effects an application has on the underlying data.
Code Free	No programming or SQL skills are required to use any of the data testing capabilities, opening their applicability to the whole testing community.
Database Effects	TestBench reports all the Inserts, Updates and Deletes that occur in a test data environment when a test is performed. Details of the operations are captured and, in the case of an update, the before and after status of the data is shown. This provides an understanding of the data part of an application function and aids in the verification of the data changes.
Data Rules	A data rule applies a set of rules to a database effect and provides notification of any variance. In effect, data rules are automated testing for database effects.
Result Comparison	Database effects from two runs of the same test scenario are compared. Differences in the tables affected, the number of operations on a table and differences in individual data elements are reported. When used with TestBench Data Protection, this feature provides the ability to understand the differences between two versions of the same process.

Original Software

TestDrive – Test Automation

Capability	Benefit
Uses	TestDrive is designed to be used by QA teams, business analysts, business users and developers to support fast functional and regression testing of the User Interface. Its ability to build automation rapidly with minimal maintenance means it is ideal for Agile projects, Waterfall development & package upgrades.
Code Free	TestDrive is at the vanguard of Code-Free test automation, setting the agenda since 1998. No programming skills or knowledge are required to use it, opening its applicability to the whole software delivery process. Script build is rapid and script maintenance is largely automatic, thus maximizing productivity. TestDrive is not a front end tool to ease the creation of underlying script code, there is no code.
Full Content	TestDrive is configured to understand your applications automatically, getting the full content of each screen as it appears without the need to interrogate an item, click on it or write any code. This means that all the data is available to be tested, or used in processing.
Application Timing	TestDrive intuitively understands the state of the application and whether it is ready. It does this without the needs of timing loops and means it plays the script input only when the application is ready, and not before, eliminating synchronization issues associated with other programmatic tools.
Technologies	TestDrive supports almost all modern technologies in the User Interface such as HTML, Java Script, Java, C++, C# as well as proprietary protocols and applications such as SAP, Oracle EBS, IBM green screen. It means you can create end to end regression tests with one solution across your whole application landscape.
Automatic Annotation	This patented capability means that TestDrive can think more like a person than a robot. It enables TestDrive to understand the business purpose of a field or control, rather than rely on its technical name as provided by a programmer. The text box used to capture the Customer Name might be described as TestBox3. TestDrive looks at all the surrounding data on the screen to call it what the user would call it so that, if naming conventions change, the script is unaffected and what's more, can be easily read and understood. This happens completely automatically.
Self-Healing	This unique feature is enabled because of the design of TestDrive. It means TestDrive can handle many changes completely automatically and where user input is required, it is only to update the script with the discreet changes through a common sense dialogue.

Original Software

Capability	Benefit
Modular Playlists	TestDrive scripts are executed via playlists, combining a number of scripts or other playlists if required for a fully modular approach. The checking, external data, environment and the flow are contained in the Playlist rather than the script so that one script can be used for multiple purposes, minimizing maintenance and maximizing re-use. Playlists can also be called from other applications such as CI build servers to perform immediate regression testing. They can also be scheduled with the load distributed across multiple devices whether physical or virtual.
Error Recovery	When the unexpected happens, TestDrive enables you to define what happens next so the test can carry on if possible.
Data Driven & Logic	Again without any programming skills, users can repurpose simple scripts into data-driven tests simply by saying which columns of a spreadsheet data source are to be used where in the existing script. You can also define data to be captured from the screen to be checked or drive decision logic in the script path, and then either store that data or result, or reference it in a subsequent script. Hence you can perform a test to raise multiple orders in an ecommerce site, store and check the order values, capture the order numbers, use the order numbers in the back end warehouse system to dispatch and check the customers' balances in a separate CRM.
Automated Tests	Some aspects of the application can be selected for validation just by selecting a single option. For example: Spelling, broken links (web only), response times, and compare to a defined base line.
Specific Tests	Specific checks can be set up in a number of ways, for example: Checking against a known expected value, a supplied variable value, or another value derived from the application. But you can also use PowerShell to create reusable functions beyond those supplied as standard to perform calculations as part of the test or even check a value in a database table.
Ease of Use	Because TestDrive does so much for the user through an intuitive interface, it is robust, easier to learn and maximizes productivity. Screen shots are captured automatically during the test and when looking at the results are 'interactive' so you click on the image to see the properties of that component.
Reporting	Results are stored in detail with clear information which can be viewed on line or in PDF format which is helpful if you need to pass to a third party.
Interfaces	TestDrive integrates tightly with the other Original Software solutions, Qualify, TestDrive-Assist, TestBench and Content Analytics. In addition it can be called by and communicate with other test management products such as HP Quality Center.

Original Software

TestDrive-Assist

Capability	Benefit
Uses	TestDrive-Assist helps all persons carrying out manual testing of a User Interface. It reduces the time and effort associated with documenting what happened in the test, whether for process understanding or defect reporting. It creates readable text scripts, reports with automatic screen shots, videos for training and detailed results which can be immediately automated with TestDrive.
Screen Shots & Actions	Every action, click, input that the user performs is captured with reference to the screen they are on, and the controls or objects on that screen. The user just has to operate as normal as screen changes are automatically identified. The test is automatically and immediately completely documented. You will never have to go back and reproduce a problem, it is already fully captured.
Marked-Up Comments	At any time, the user can click on any captured screen, not just the current one, and highlight an area adding a comment. This might be to identify a problem, request a change or provide guidance notes for training materials.
Scripted or Exploratory	The test can be driven by a written test script supplied by a Test Management solution such as Qualify. In this case the user is prompted with the test steps and can pass or fail each as they are performed. If there is no detailed script, TestDrive-Assist is immensely valuable as it captures exactly what happened.
Quality Checks	If you wish, spelling can be checked and links on web applications tested automatically just by selecting these options. Exact performance data is captured providing accurate measurement of the user experience.
Content Capture	The data captured is not superficial, TestDrive-Assist understands all the objects on the screen and their content, whether visible or not, so the results are complete.
Interfaces	TestDrive-Assist can be driven from test tasks in Qualify and will save results back to the same database as well as raising defects there as required. It provides the building blocks for automation in TestDrive and when used in conjunction with TestBench over a supported database it can show you what happened in the database during the test.
Ease of Use	The solution is very easy to learn and deploy. It saves testers, BAs, developers and users time and effort from the start.

Original Software

TestDrive-UAT

Capability	Benefit
Fast, indestructible and works with every PC application and PC browser (*)	. TestDrive-UAT is the single product you will need to handle all your UAT needs.
Designed for UAT	Intuitive, simple UI requires little support or training.
Focusses on the application under test rather than the entire desktop so that actions not associated to the UAT are ignored	TestDrive-UAT is much more intelligent that a screen recorder and focusses on what is important and removes clutter from the test results.
Capture every user action and screens or webpages visited with intelligent descriptions	A full audit trail is essential to facilitate the rapid correction of discovered defects.
See new screens or webpages intelligently promoted above mouse and keyboard actions to create a more readable result	A consistent, coherent set of UAT results that can be rapidly be absorbed by the tester, project team and developers will delivered significant time savings.
Captures performance data for elapsed time, memory and CPU	An application which performs poorly will be a major source of user frustration and the data behind such bottlenecks is automatically captured.
Obfuscates passwords automatically and the user has the option obfuscate other sensitive information	UAT will be performed over realistic data which may contain information that cannot be shared with a wider audience.

Original Software

Add on-screen mark-ups to better highlight problems encountered or document application processes	Replace emails and screen shots with an completely automatic test result which can be enhanced with user mark-ups of each screen.
Each test result can create multiple outputs which can several objectives:	a) Full defect recreation steps to speed resolution b) Word, video and animation options to create training materials c) Annotate results to fully document business processes
Couple with Original Software's Qualify to create a team environment where progress, coverage, resources and results call all be easily tracked and optimized.	Qualify can help plan and manage all aspects of the ALM including UAT and addresses the testing to be performed and the efficient use of the available resources.
Run stand-alone, test steps can be passed, results saved to a central repository or simply emailed to the relevant parties	Make TestDrive-UAT part of your current IT environment sharing test results as files or emails and driving testing through your own test steps.

* A few legacy applications are not fully accessible so user actions will not be optimally described. Such applications include the legacy SAP client and IBM emulators. These applications require specific support which we will include in a future release.

Original Software